

Built for AI. Ready for Everything.

Cisco Data Center

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SVP & GM, Cisco Compute

Dan Wendlandt
VP Cisco Security, CEO of Isovalent - now part of Cisco

CISCO Live !

Leading through disruption

- 01 A tale of two market shifts
- 02 From siloed tools to unified platforms
- 03 A new way to see and control infrastructure

Our customers tell us

Standing up enterprise-grade AI infrastructure is hard. Organizations face complexity, fragmentation, and security concerns.



Too many tools,
not enough integration



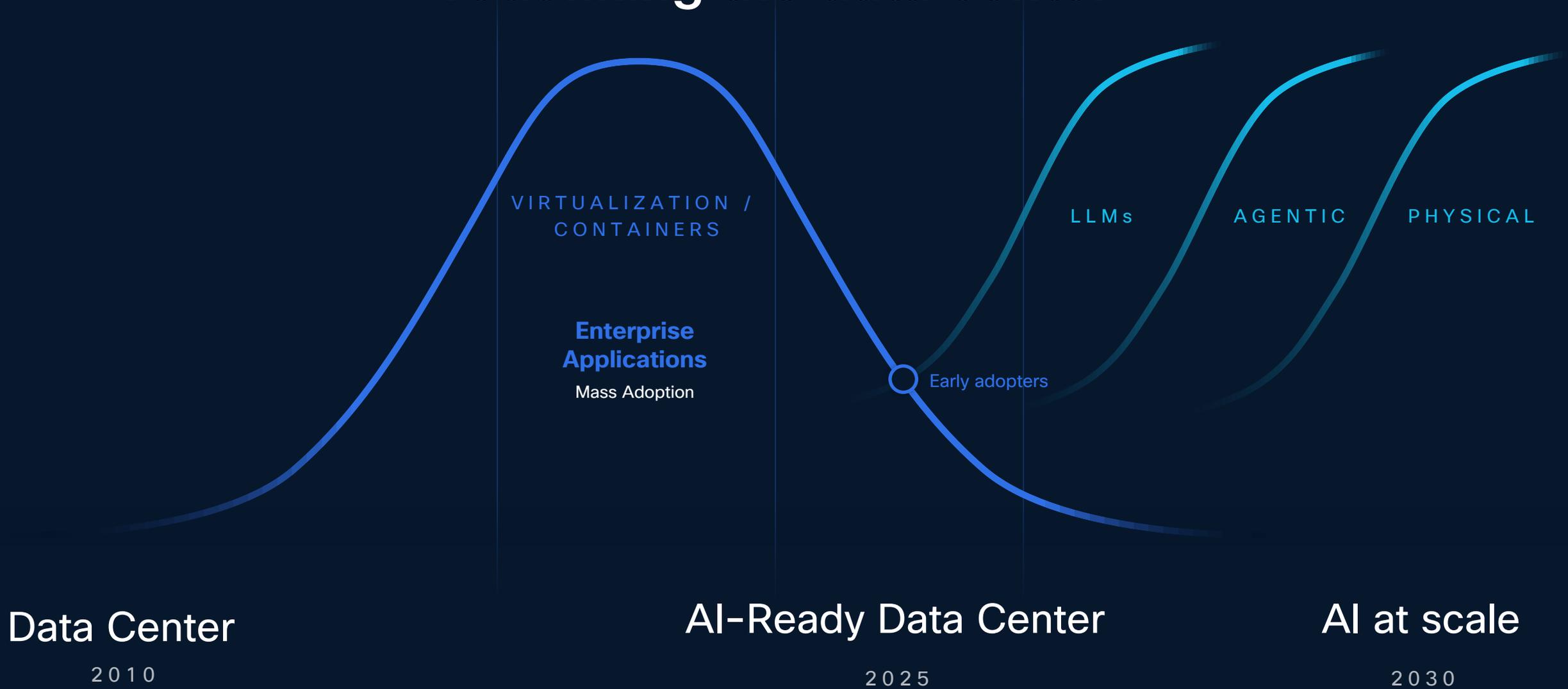
Uncertain ROI to build
AI-ready environments



Security risks across
the AI lifecycle

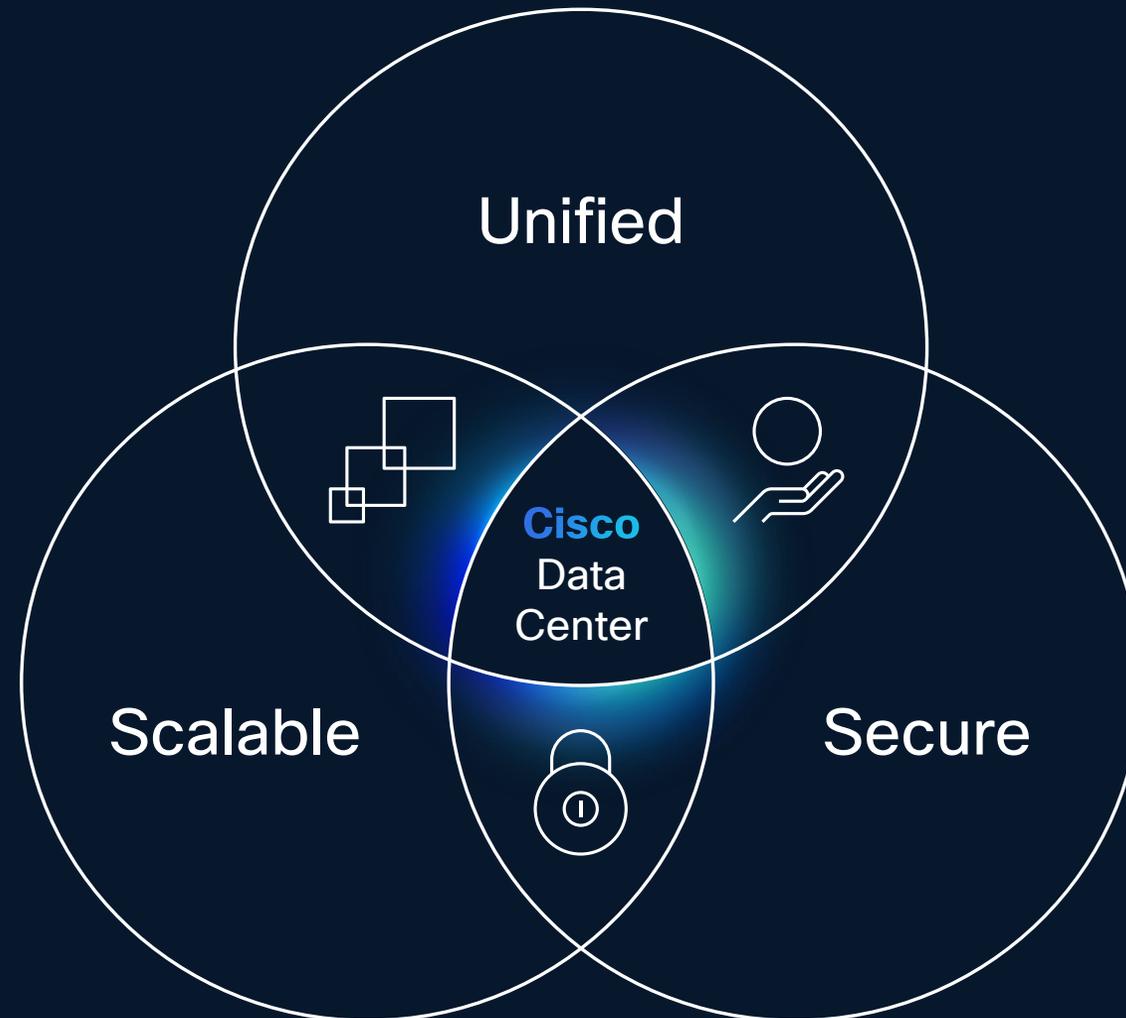
What we know

Two big shifts are redefining the data center



The Cisco Data Center Is Ready For Both Worlds

Whether you're modernizing traditional workloads,
or scaling for AI, Cisco's approach is...



Cisco Networking



Cisco Unified Compute



Unified Architecture

Cisco Networking



Cisco Unified Compute



The foundation for enterprise workloads

Cisco Networking



Cisco Unified Compute



Cisco Silicon One



Cisco Optics



Reliability when it matters most

Cisco Tops List for Server Reliability

According to a survey by the **Information
Technology Intelligence Consulting Corp (ITIC)**
reported by Tech Channel

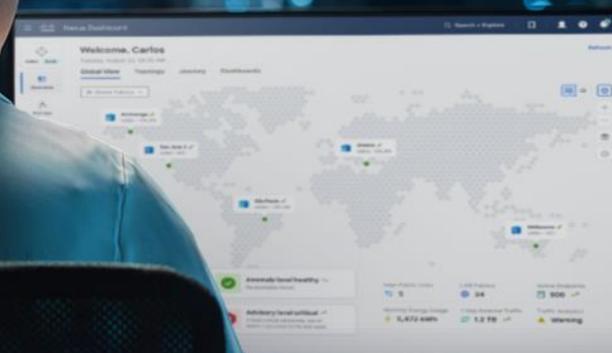
TechChannel[®]

**Server Reliability
Survey: IBM, Lenovo,
Cisco Top ITIC's List**

The Command Center for Data Center Operations

Cisco Intersight

Cisco Nexus Dashboard



64% lower
cost of support and
maintenance



62 minutes faster
time to resolution



25% lower
cost of hardware and
software acquisition



80% lower
administrative costs

GitHub

Red Hat

NUTANIX

vmware
by Broadcom

GitLab

Unified Solutions

python™

VAST

CLOUDERA

Bitbucket

The power of partnering with industry-leading tools

NetApp

servicenow

Jenkins

RANCHER
BY SUSE

PURESTORAGE

Qumulo

HashiCorp

HITACHI

rubrik

ANSIBLE

Unified Solutions

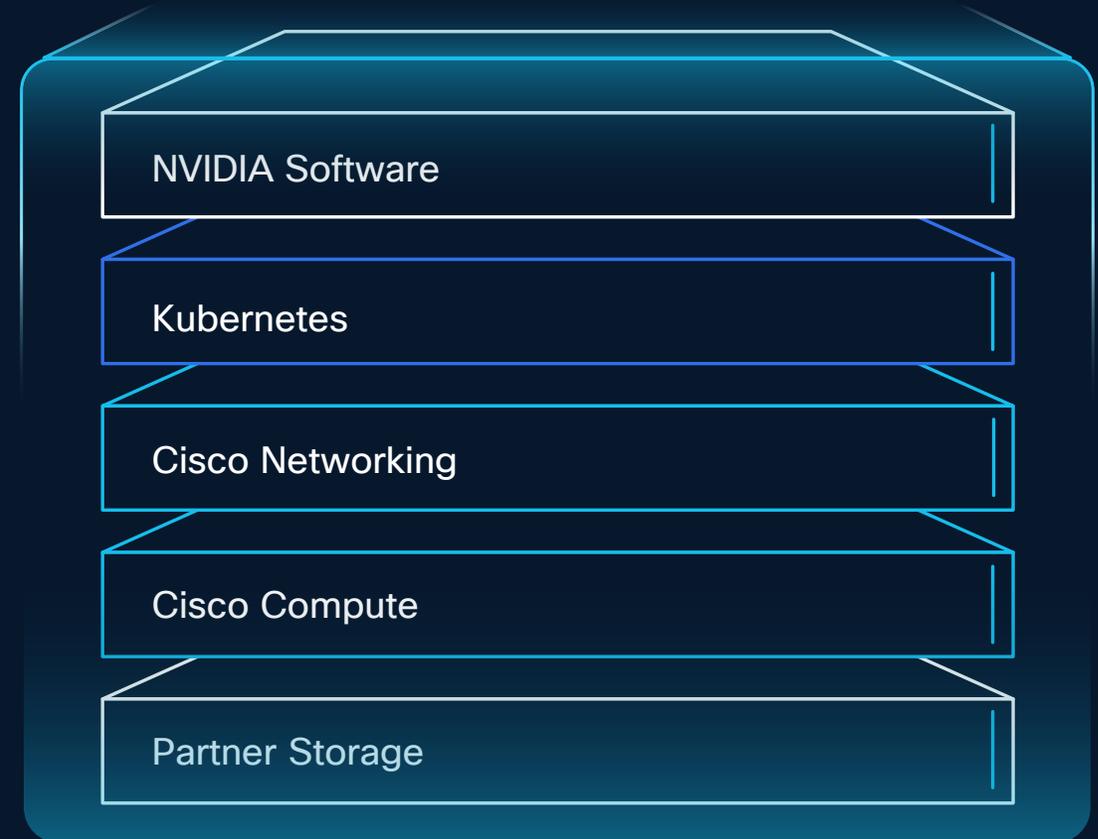
Cisco Secure AI Factory with NVIDIA

A reference design with validated
architectures to **accelerate AI adoption**

Hyperfabric AI | [Check out CENDCN-1359](#)
Building Secure AI Infrastructures

AI PODs | [Visit BOOTH 3354](#)
The Cisco Validated Zone

Cisco Security
Embedded at every layer



Introducing

AI PODs for your entire AI lifecycle

A scalable architecture, built to support any AI workload



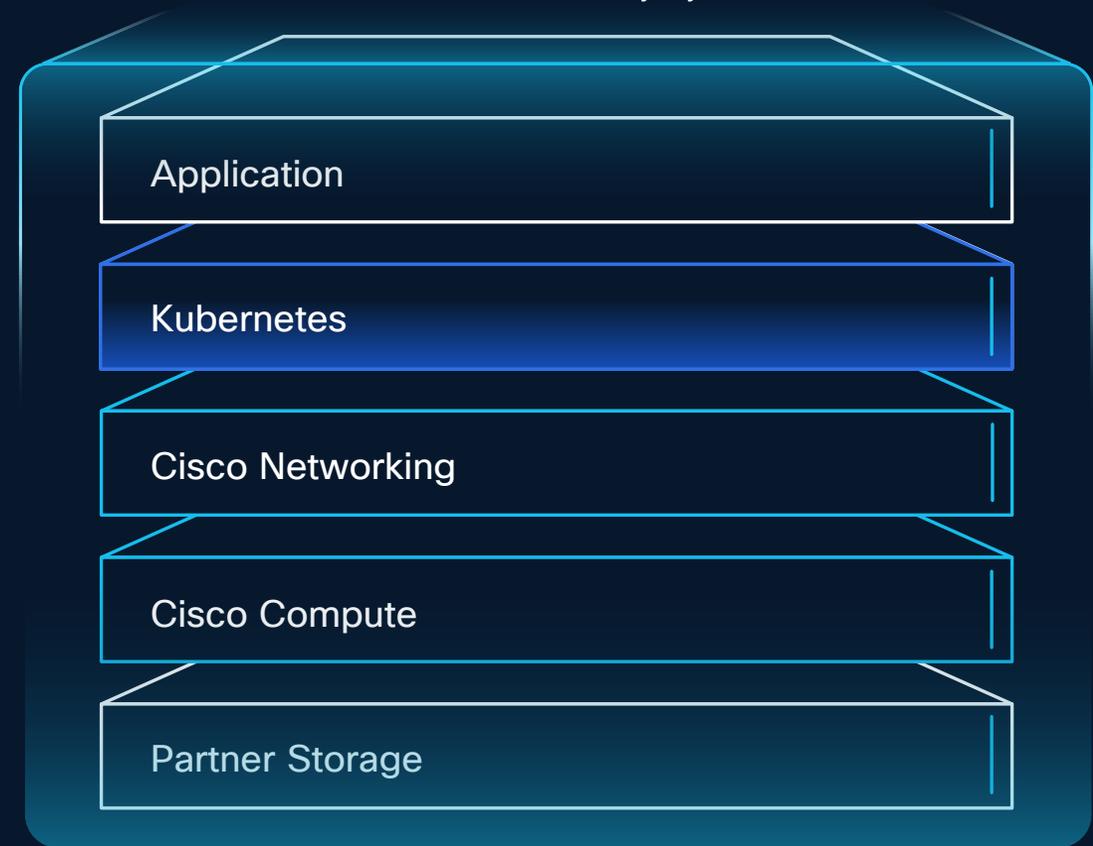
1+ GPUs
Inference

Everything
in-between

100s of GPUs
Training

**It's not just about AI:
Cisco offers full-stack
readiness for
every workload**

Cisco Security
Embedded at every layer



Cisco Security & Observability

Embedded at every layer



Cisco and Isovalent

What Isovalent brings to UCS Customers



Extends the value of the Cisco portfolio into the platform layer



Enables workload portability

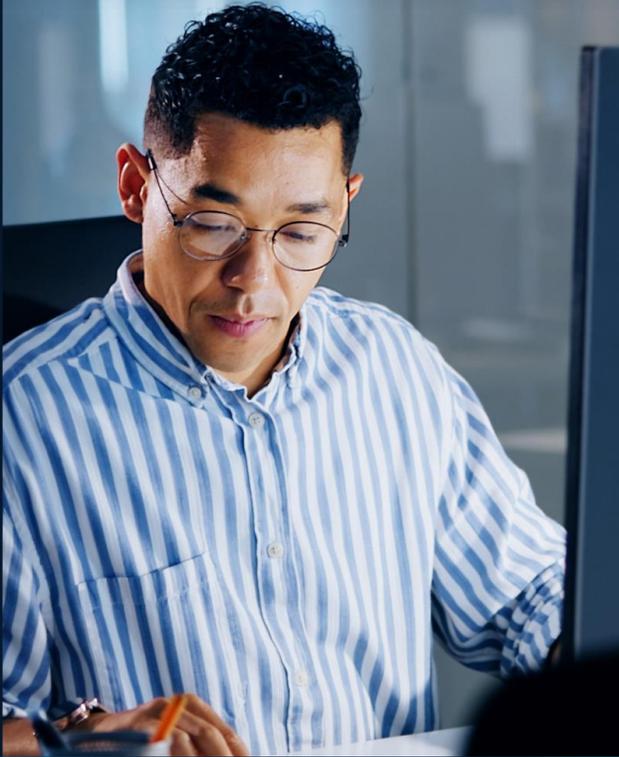
What this means for your teams...



Splunk Enterprise Security
Sec Ops



Hypershield
Network Sec



Splunk Observability
Developers



Nexus, ACI, Isovalent LB
Network Ops

Server Ops

Intersight, Cisco Validated Designs

The future of Cisco and Isovalent

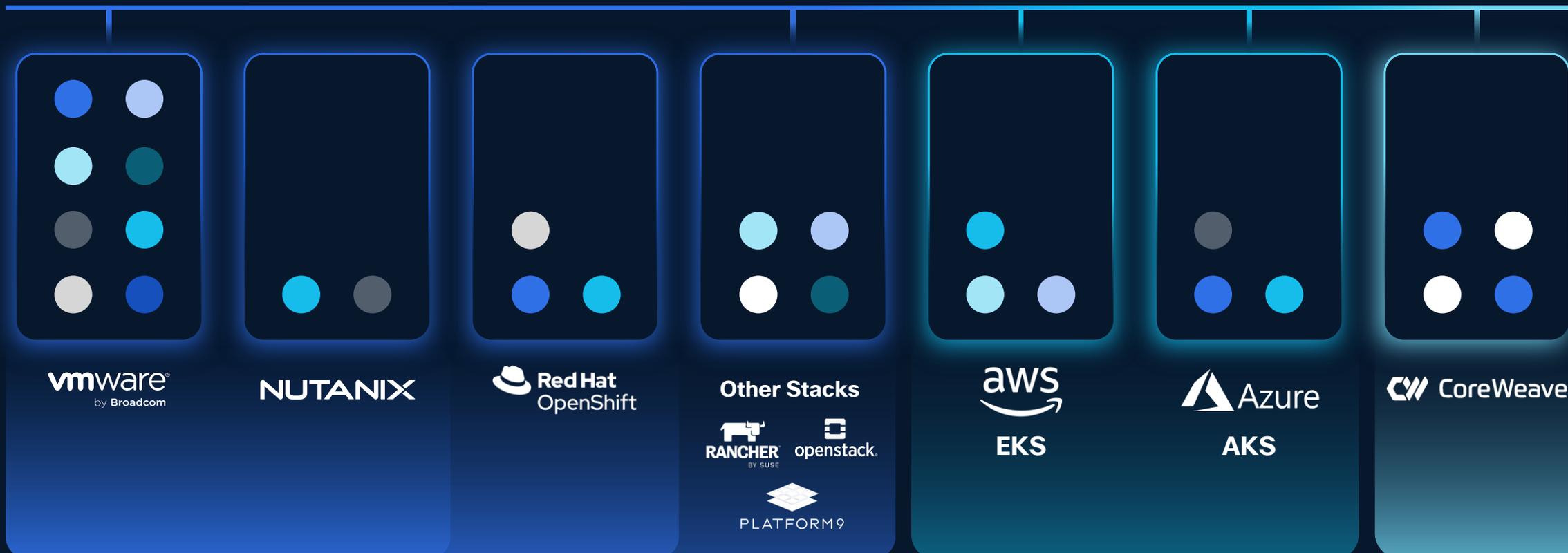
Workload Portability

Modern Applications

Virtualization

AI

Connect & Secure Workloads Anywhere



Private Cloud

Public Clouds

AI Clouds

The future of Cisco and Isovalent

Workload Portability

Modern Applications

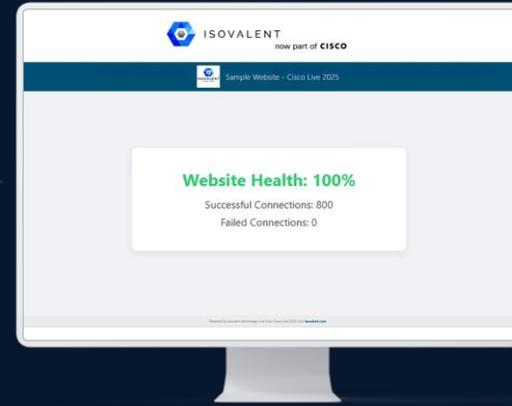
Virtualization

AI

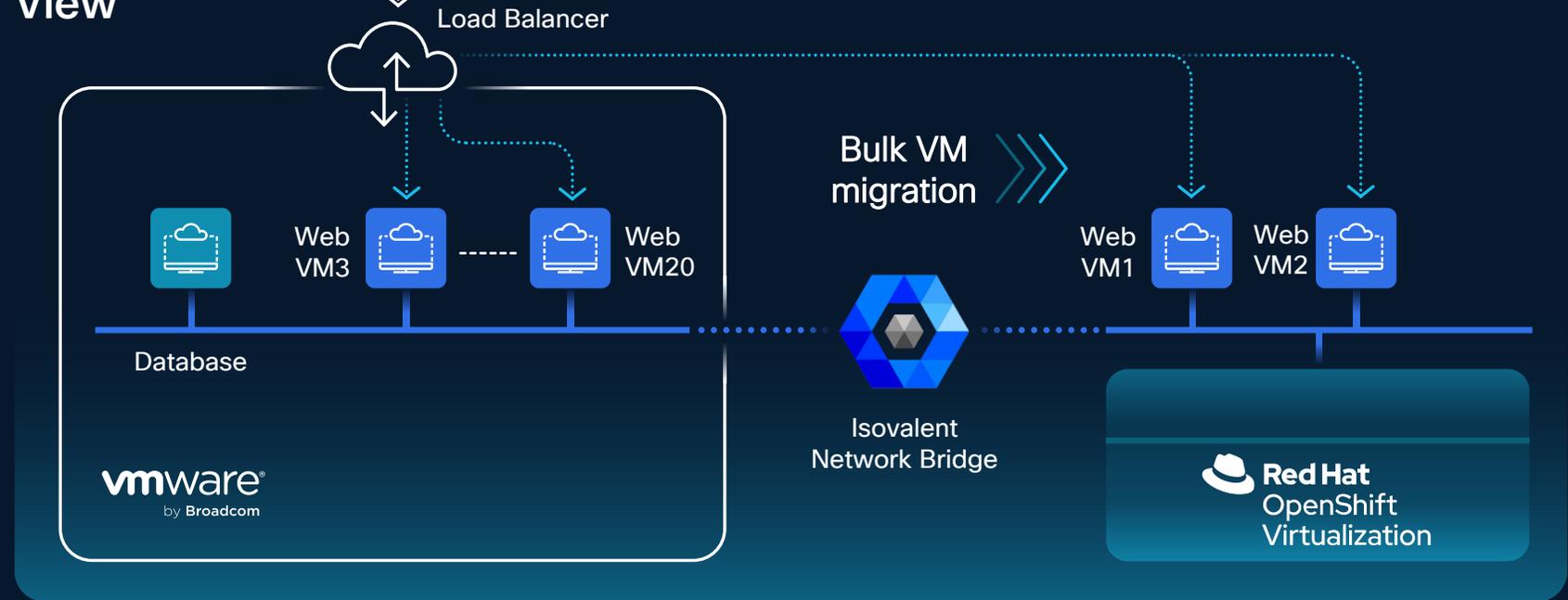
DEMO

VM Workload Portability Before Migration

Application User Experience



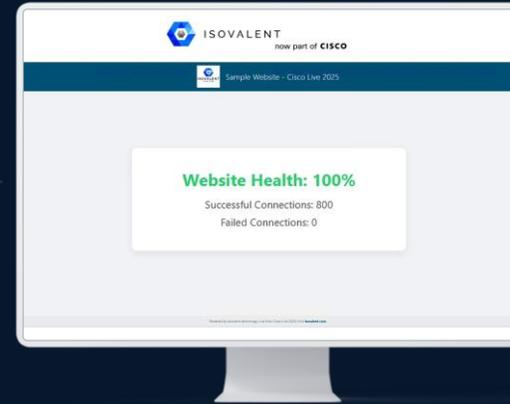
Infrastructure View



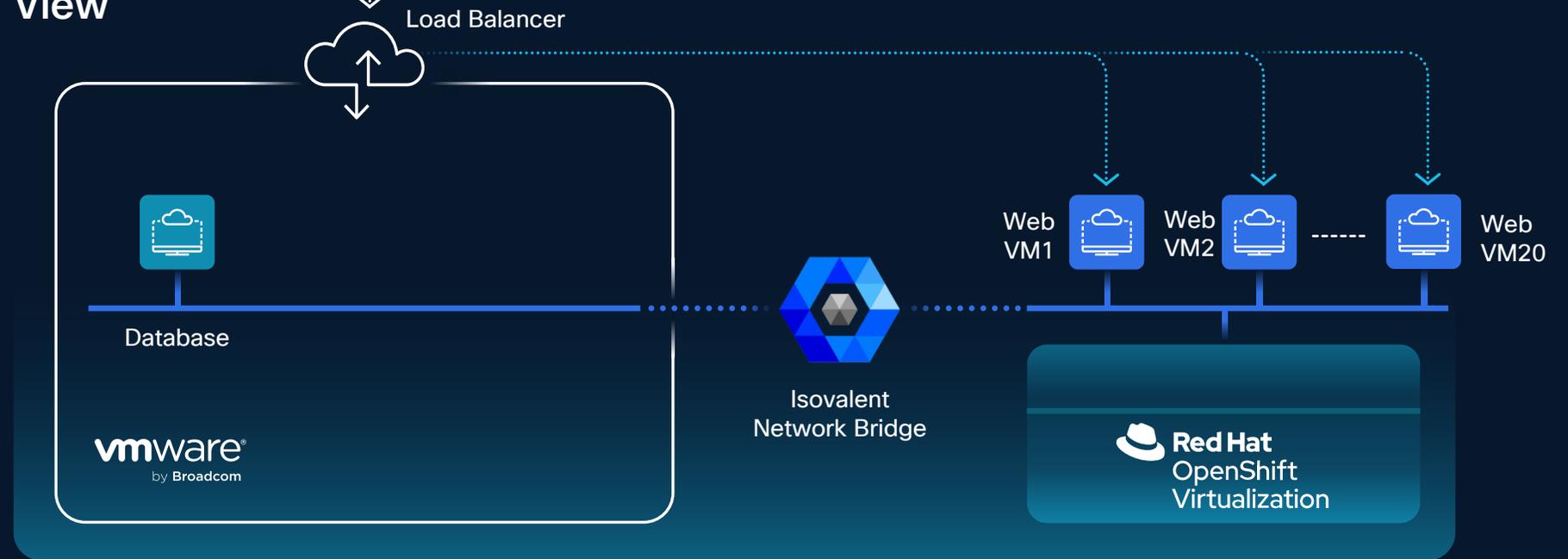
DEMO

VM Workload Portability Migration Complete

Application
User Experience



Infrastructure
View





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- 📁 Datacenter
 - 📁 cisco-xldxx
 - 📁 demo-actors
 - 📁 actors
 - 📁 db
 - 📁 Discovered virtual machine
 - 📁 HCX Management VMs
 - 📁 Lab infrastructure
 - 📁 Templates
 - 📁 TGW
 - 📁 vCLS
 - 📁 Workload VMs

demo-actors | : ACTIONS

Summary Monitor Configure Permissions **VMs** Updates

Virtual Machines
VM Templates
vApps
VM Folders

Filter

<input type="checkbox"/>	Name	↑	State	Status	Provisioned Space	Used Space	Host CPU	Host Mem
<input type="checkbox"/>	actor-001		Powered ...	✓ Normal	21.39 GB	7.77 GB	0 Hz	0 B
<input type="checkbox"/>	actor-002		Powered ...	✓ Normal	21.38 GB	9.5 GB	51 MHz	514 MB
<input type="checkbox"/>	actor-003		Powered ...	✓ Normal	21.4 GB	9.95 GB	0 Hz	0 B
<input type="checkbox"/>	actor-004		Powered ...	✓ Normal	21.38 GB	9.93 GB	0 Hz	0 B
<input type="checkbox"/>	actor-005		Powered ...	✓ Normal	21.43 GB	9.48 GB	51 MHz	502 MB
<input type="checkbox"/>	actor-006		Powered ...	✓ Normal	21.42 GB	10.41 GB	0 Hz	0 B
<input type="checkbox"/>	actor-007		Powered ...	✓ Normal	21.39 GB	8.98 GB	0 Hz	0 B
<input type="checkbox"/>	actor-008		Powered ...	✓ Normal	21.45 GB	9.52 GB	0 Hz	0 B
<input type="checkbox"/>	actor-009		Powered ...	✓ Normal	21.42 GB	10.42 GB	0 Hz	0 B
<input type="checkbox"/>	actor-010		Powered ...	✓ Normal	21.4 GB	9.27 GB	0 Hz	0 B
<input type="checkbox"/>	actor-011		Powered ...	✓ Normal	21.4 GB	9.66 GB	51 MHz	520 MB
<input type="checkbox"/>	actor-012		Powered ...	✓ Normal	21.39 GB	9.69 GB	0 Hz	0 B
<input type="checkbox"/>	actor-013		Powered ...	✓ Normal	21.42 GB	9.46 GB	0 Hz	0 B
<input type="checkbox"/>	actor-014		Powered ...	✓ Normal	21.39 GB	9.33 GB	0 Hz	0 B
<input type="checkbox"/>	actor-015		Powered ...	✓ Normal	21.39 GB	9.5 GB	0 Hz	0 B
<input type="checkbox"/>	actor-016		Powered ...	✓ Normal	21.38 GB	9.8 GB	0 Hz	0 B
<input type="checkbox"/>	actor-017		Powered ...	✓ Normal	21.43 GB	9.87 GB	0 Hz	0 B
<input type="checkbox"/>	actor-018		Powered ...	✓ Normal	21.39 GB	8.89 GB	0 Hz	0 B
<input type="checkbox"/>	actor-019		Powered ...	✓ Normal	21.43 GB	9.88 GB	0 Hz	0 B
<input type="checkbox"/>	actor-020		Powered ...	✓ Normal	21.39 GB	10.24 GB	0 Hz	0 B

20 EXPORT
 Items per page 35 21 items

The future of Cisco and Isovalent

Extending Isovalent to Linux Hypervisors

NUTANIX

Booth # 4119



Booth # 1910

The future of Cisco and Isovalent

Workload Portability

Modern Applications

Virtualization

AI

AI Workload Cloud Bursting

Number of Text Summarizer Workloads

10

On-prem Cluster Capacity

100%

TEAM
Text Summarizer

RAY + ELOTL

Isovalent Clustermesh

AI Workloads



AI Infra Layer
UCS + OpenShift + Isovalent



- Isovalent
- Kubernetes
- MSFT Azure

Text Summarizer

[Large empty text area for the summarized output]

Input Text

Enter text to be summarized here...

Send

The future of Cisco and Isovalent

Workload Portability

Modern Applications

Virtualization

AI

Why we believe this is a game-changer

Envisioning a world where you can migrate with confidence and modernize without disruption

Security

without
Silos

Migration

without
Disruption

Visibility

without
Complexity

Choice

without
Compromise

Full or partial
hypervisor migrations

Multi-tenant
environments

AI and traditional
workloads

East-west traffic
visibility and control

Want to learn more?

Cisco University
Check out trainings
Cisco.com



AI-Ready
Infrastructure
Nutanix, RedHat
and more

Cisco Data Center

AI PODs
Visit Booth # 3354
The Cisco Validated Zone



AI-Ready
Infrastructure
Download our
Design Guides

Isovalent

Cilium and eBPF
See the demos at
AIDC20, AIDC21, AIDC22



Sign up for
one of our
Hands-On
Labs

Thank you

CISCO Live !

